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Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, D.C. 20554

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Federal Communication Commission
Bureau / Office

In re)
)
Amendment of Section 73.202(b))
of the Commission's Rules) MM Docket
Table of Allotments,)
FM Broadcast Stations) RM -
Weatherford, Oklahoma)

To: Chief, Policy and Rules Division

PETITION FOR RULEMAKING

Great Plains Christian Radio, Inc. ("Great Plains"), hereby submits its petition for an amendment of Section 73.202(b) of the Commission's Rules that would reserve FM Channel 286A at Weatherford, Oklahoma for noncommercial use.

Attached to this petition and incorporated by reference herein are the engineering statement and exhibits prepared by Larry Waggoner, consulting engineer for Great Plains, which demonstrate that the referenced FM channel meets the two distinct criteria set forth in the Second Report and Order in Reexamination of of the Comparative Standards for Noncommercial Educational Applicants, MM Docket 95-31, 18 FCC Red 6691 (paragraphs 34 through 40) (2003) ("NCE Second Report and Order"), pursuant to the instructions set forth in the Public Notice released by the Media Bureau on September 30, 2003, DA 03-2990. The complete technical preclusion showing required by the NCE Second Report and Order and the September 30, 2003 Public Notice is also attached.

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The reservation of Channel 286A will serve the public interest by assuring needed noncommercial educational radio service to the community of Weatherford, Oklahoma and the surrounding listening area.

Great Plains is a noncommercial educational organization, and is the licensee of several operating full-service and translator FM radio stations. If the reservation requested herein is ordered by the Commission, Great Plains will file an application for a construction permit to build and, later, an application for a license to operate, a noncommercial FM station on this channel.

Respectfully submitted,

A handwritten signature in black ink that reads "Russell C. Powell". The signature is fluid and cursive, with the first name being the most prominent.

Russell C. Powell

Attorney for Great Plains Christian Radio, Inc.

Taylor & Powell, LLC
908 King Street, Suite 300
Alexandria, VA 22314
(703)836-9405

November 19, 2003

WEATHERFORD, OKLAHOMA

Channel #286A

Non-Commercial Allocation Study

November 14, 2003

LARRY P. WAGGONER

Broadcast Technical Consultant

1712 VALLEYVIEW CT. • WICHITA, KS 67212 • (316) 722-3726

Weatherford, Oklahoma Channel #286A
Non-Commercial Allocation Study

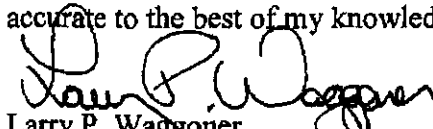
This Non-Commercial Allocation Study will analyze the commercial FM allocation for channel #286A in Weatherford, Oklahoma to determine its availability as a Non-Commercial assignment. The assignment must, as a maximum class facility, provide a first or second non-commercial service to at least 10% of the population inside the 1 mv/m or 60 dBu contour. This population must be at least 2,000 persons. The second requirement is that technical regulations must prevent the use of any reserve FM band assignment in the area.

The preclusion of reserve band channel allocation study was the first step taken for this report. A 60 dBu contour prediction study (Exhibit #1), using the allocation coordinates, determined the location of a maximum Class A 1.0 mv/m contour. Five FM reserve band allocation studies were conducted, using the allocation site and four compass point locations one kilometer inside the 1.0 mv/m contour. The five study point locations are shown in the Exhibit #2 map. The center or allocation site study is found as part of Exhibit #1. The 0°, 90°, 180° and 270° allocation studies are attached as Exhibits #3 and #4. No reserve band channels were found that could be assigned as a full Class A facility. Channels with a smaller contour overlap were studied in detail. An example is Channel #210 in the Exhibit #3 Zero Degree study. This study indicated that Channel #210 only had a 17 kilometer possible short spacing. The detailed study proved that Channel #210, at the Zero Degree location, still could not be assigned as a full Class A facility.

The second part of the study determined that three reserve band, non-commercial stations serve Weatherford, Oklahoma area. This station list is included as Exhibit #5. The Exhibit #6 map shows the location of the Weatherford 1.0 mv/m contour and its relationship to the 1.0 mv/m contours of the three existing, or approved, non-commercial stations. An area of second non-commercial service was found northwest of the city of Weatherford.

The population inside the 1.0 mv/m contour of a possible, maximum Weatherford channel 286A station would be 27,895 persons (2000 US Census). The population in the new second non-commercial service area would be 6,641, or 23.8% of the total 1.0 mv/m population.

This study supports the assignment of Channel #286A as a non-commercial allotment for the city of Weatherford, Oklahoma. All information presented in this study is true and accurate to the best of my knowledge and ability.


Larry P. Waggoner
November 14, 2003

Larry Waggoner

Project: WEATHER

EXHIBIT #1

Site Coordinates: 35-33-02 North 98-43-59 West

NGDC 30-Second Database is used in Continental US

DEM-30 Database is used in AK, HI, and PR.

F(50,50) Contours -----

Azm (deg)	HAAT (mtrs)	70 dBu (km)	60 dBu (km)	Radial (mtrs)
0	107	16.7	29.2	500
45	104	16.5	28.8	503
90	132	18.7	32.0	475
135	100	16.1	28.3	507
180	94	15.6	27.4	513
225	100	16.1	28.3	507
270	95	15.7	27.6	512
315	69	13.4	23.8	538

Data in (feet) meters

Overall Height Above Average Terrain: (328) 100 *

Site Elevation AMSL: (1,801) 549

Antenna Height Above Ground Level: (190) 58

Antenna Center Above Sea Level: (1,991) 607

Overall Ground Average Terrain AMSL: (1,663) 507

Effective Radiated Power: 6.0000 kW *

TV/FM Channel: 286

FM Study for: CENTER

Location: WEATHERFORD, OK

FCC Database Date: 11/7/2003

35-33-02

Channel Class: A

98-43-59

Chan 201	88.1	HIT COUNT:	9	MAX OVERLAP:	-123
Chan 202	88.3	HIT COUNT:	9	MAX OVERLAP:	-62
Chan 203	88.5	HIT COUNT:	9	MAX OVERLAP:	-120
Chan 204	88.7	HIT COUNT:	11	MAX OVERLAP:	-60
Chan 205	88.9	HIT COUNT:	9	MAX OVERLAP:	-107
Chan 206	89.1	HIT COUNT:	10	MAX OVERLAP:	-174
Chan 207	89.3	HIT COUNT:	6	MAX OVERLAP:	-107
Chan 208	89.5	HIT COUNT:	6	MAX OVERLAP:	-156
Chan 209	89.7	HIT COUNT:	4	MAX OVERLAP:	-89
Chan 210	89.9	HIT COUNT:	6	MAX OVERLAP:	-31
Chan 211	90.1	HIT COUNT:	7	MAX OVERLAP:	-87
Chan 212	90.3	HIT COUNT:	7	MAX OVERLAP:	-66
Chan 213	90.5	HIT COUNT:	8	MAX OVERLAP:	-109
Chan 214	90.7	HIT COUNT:	9	MAX OVERLAP:	-66
Chan 215	90.9	HIT COUNT:	6	MAX OVERLAP:	-86
Chan 216	91.1	HIT COUNT:	7	MAX OVERLAP:	-66
Chan 217	91.3	HIT COUNT:	9	MAX OVERLAP:	-109
Chan 218	91.5	HIT COUNT:	9	MAX OVERLAP:	-68
Chan 219	91.7	HIT COUNT:	6	MAX OVERLAP:	-74
Chan 220	91.9	HIT COUNT:	10	MAX OVERLAP:	-48

EXHIBIT #2

Putnam

Oakwood

Eagle City

Watonga

Greenfield

Thomas

Custer City

American Horse Lake State Hunting and Fishing Area

Hydro

Bridgeport

Clinton

Weatherford

Hinton

Lookaba

Blinger

Albert

Alfalfa

Reservoir

Bessie

Corn

Colony

Callout 1: N35° 48' 18.00" W98° 43' 59.00"

Callout 2: N35° 33' 3.00" W99° 1' 35.00"

Callout 3: N35° 33' 2.00" W98° 43' 59.00"

Callout 4: N35° 33' 3.00" W98° 23' 28.00"

Callout 5: N35° 18' 46.00" W98° 43' 59.00"

Larry P. Waggoner
Broadcast Technical Consultant
1712 N. Valleyview Court
Wichita, Kansas 67212-1245
316-722-3726

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Broadcast Technical Consultant
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Wichita, Kansas 67212-1245
316-722-3726

11-14-2003

Larry Waggoner

EXHIBIT #3

FM Study for: ZERO

FCC Database Date: 11/7/2003

35-48-18

Location: WEATHERFORD, OK

Channel Class: A

98-43-59

Chan 201	88.1	HIT COUNT:	9	MAX OVERLAP:	-144
Chan 202	88.3	HIT COUNT:	9	MAX OVERLAP:	-83
Chan 203	88.5	HIT COUNT:	8	MAX OVERLAP:	-114
Chan 204	88.7	HIT COUNT:	10	MAX OVERLAP:	-54
Chan 205	88.9	HIT COUNT:	9	MAX OVERLAP:	-87
Chan 206	89.1	HIT COUNT:	8	MAX OVERLAP:	-154
Chan 207	89.3	HIT COUNT:	6	MAX OVERLAP:	-87
Chan 208	89.5	HIT COUNT:	4	MAX OVERLAP:	-140
Chan 209	89.7	HIT COUNT:	3	MAX OVERLAP:	-79
Chan 210	89.9	HIT COUNT:	6	MAX OVERLAP:	-17
Chan 211	90.1	HIT COUNT:	7	MAX OVERLAP:	-84
Chan 212	90.3	HIT COUNT:	5	MAX OVERLAP:	-38
Chan 213	90.5	HIT COUNT:	6	MAX OVERLAP:	-81
Chan 214	90.7	HIT COUNT:	6	MAX OVERLAP:	-38
Chan 215	90.9	HIT COUNT:	7	MAX OVERLAP:	-83
Chan 216	91.1	HIT COUNT:	6	MAX OVERLAP:	-38
Chan 217	91.3	HIT COUNT:	5	MAX OVERLAP:	-81
Chan 218	91.5	HIT COUNT:	6	MAX OVERLAP:	-40
Chan 219	91.7	HIT COUNT:	5	MAX OVERLAP:	-83
Chan 220	91.9	HIT COUNT:	10	MAX OVERLAP:	-38

FM Study for: 90

FCC Database Date: 11/7/2003

35-33-03

Location: WEATHERFORD, OK

Channel Class: A

98-23-28

Chan 201	88.1	HIT COUNT:	9	MAX OVERLAP:	-117
Chan 202	88.3	HIT COUNT:	9	MAX OVERLAP:	-91
Chan 203	88.5	HIT COUNT:	9	MAX OVERLAP:	-151
Chan 204	88.7	HIT COUNT:	13	MAX OVERLAP:	-91
Chan 205	88.9	HIT COUNT:	9	MAX OVERLAP:	-77
Chan 206	89.1	HIT COUNT:	14	MAX OVERLAP:	-144
Chan 207	89.3	HIT COUNT:	6	MAX OVERLAP:	-114
Chan 208	89.5	HIT COUNT:	9	MAX OVERLAP:	-181
Chan 209	89.7	HIT COUNT:	4	MAX OVERLAP:	-114
Chan 210	89.9	HIT COUNT:	7	MAX OVERLAP:	-56
Chan 211	90.1	HIT COUNT:	8	MAX OVERLAP:	-118
Chan 212	90.3	HIT COUNT:	7	MAX OVERLAP:	-51
Chan 213	90.5	HIT COUNT:	9	MAX OVERLAP:	-83
Chan 214	90.7	HIT COUNT:	9	MAX OVERLAP:	-50
Chan 215	90.9	HIT COUNT:	8	MAX OVERLAP:	-117
Chan 216	91.1	HIT COUNT:	9	MAX OVERLAP:	-50
Chan 217	91.3	HIT COUNT:	11	MAX OVERLAP:	-83
Chan 218	91.5	HIT COUNT:	9	MAX OVERLAP:	-62
Chan 219	91.7	HIT COUNT:	7	MAX OVERLAP:	-102
Chan 220	91.9	HIT COUNT:	10	MAX OVERLAP:	-41

11-14-2003

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EXHIBIT #4FM Study for: 180
Location: WEATHERFORD, OKFCC Database Date: 11/7/2003
Channel Class: A35-18-46
98-43-59

Chan 201	88.1	HIT COUNT:	8	MAX OVERLAP:	-102
Chan 202	88.3	HIT COUNT:	10	MAX OVERLAP:	-52
Chan 203	88.5	HIT COUNT:	11	MAX OVERLAP:	-112
Chan 204	88.7	HIT COUNT:	13	MAX OVERLAP:	-52
Chan 205	88.9	HIT COUNT:	8	MAX OVERLAP:	-106
Chan 206	89.1	HIT COUNT:	9	MAX OVERLAP:	-173
Chan 207	89.3	HIT COUNT:	7	MAX OVERLAP:	-106
Chan 208	89.5	HIT COUNT:	7	MAX OVERLAP:	-157
Chan 209	89.7	HIT COUNT:	4	MAX OVERLAP:	-90
Chan 210	89.9	HIT COUNT:	8	MAX OVERLAP:	-32
Chan 211	90.1	HIT COUNT:	8	MAX OVERLAP:	-83
Chan 212	90.3	HIT COUNT:	8	MAX OVERLAP:	-52
Chan 213	90.5	HIT COUNT:	7	MAX OVERLAP:	-95
Chan 214	90.7	HIT COUNT:	9	MAX OVERLAP:	-52
Chan 215	90.9	HIT COUNT:	7	MAX OVERLAP:	-82
Chan 216	91.1	HIT COUNT:	8	MAX OVERLAP:	-53
Chan 217	91.3	HIT COUNT:	9	MAX OVERLAP:	-95
Chan 218	91.5	HIT COUNT:	8	MAX OVERLAP:	-94
Chan 219	91.7	HIT COUNT:	8	MAX OVERLAP:	-61
Chan 220	91.9	HIT COUNT:	11	MAX OVERLAP:	-47

FM Study for: 270
Location: WEATHERFORD, OKFCC Database Date: 11/7/2003
Channel Class: A35-33-03
99-01-35

Chan 201	88.1	HIT COUNT:	3	MAX OVERLAP:	-138
Chan 202	88.3	HIT COUNT:	6	MAX OVERLAP:	-77
Chan 203	88.5	HIT COUNT:	7	MAX OVERLAP:	-94
Chan 204	88.7	HIT COUNT:	7	MAX OVERLAP:	-63
Chan 205	88.9	HIT COUNT:	4	MAX OVERLAP:	-121
Chan 206	89.1	HIT COUNT:	2	MAX OVERLAP:	-188
Chan 207	89.3	HIT COUNT:	2	MAX OVERLAP:	-121
Chan 208	89.5	HIT COUNT:	3	MAX OVERLAP:	-130
Chan 209	89.7	HIT COUNT:	3	MAX OVERLAP:	-63
Chan 210	89.9	HIT COUNT:	3	MAX OVERLAP:	-5
Chan 211	90.1	HIT COUNT:	6	MAX OVERLAP:	-60
Chan 212	90.3	HIT COUNT:	3	MAX OVERLAP:	-45
Chan 213	90.5	HIT COUNT:	4	MAX OVERLAP:	-88
Chan 214	90.7	HIT COUNT:	4	MAX OVERLAP:	-45
Chan 215	90.9	HIT COUNT:	5	MAX OVERLAP:	-59
Chan 216	91.1	HIT COUNT:	4	MAX OVERLAP:	-45
Chan 217	91.3	HIT COUNT:	2	MAX OVERLAP:	-88
Chan 218	91.5	HIT COUNT:	2	MAX OVERLAP:	-67
Chan 219	91.7	HIT COUNT:	5	MAX OVERLAP:	-49
Chan 220	91.9	HIT COUNT:	4	MAX OVERLAP:	-74

11-14-2003

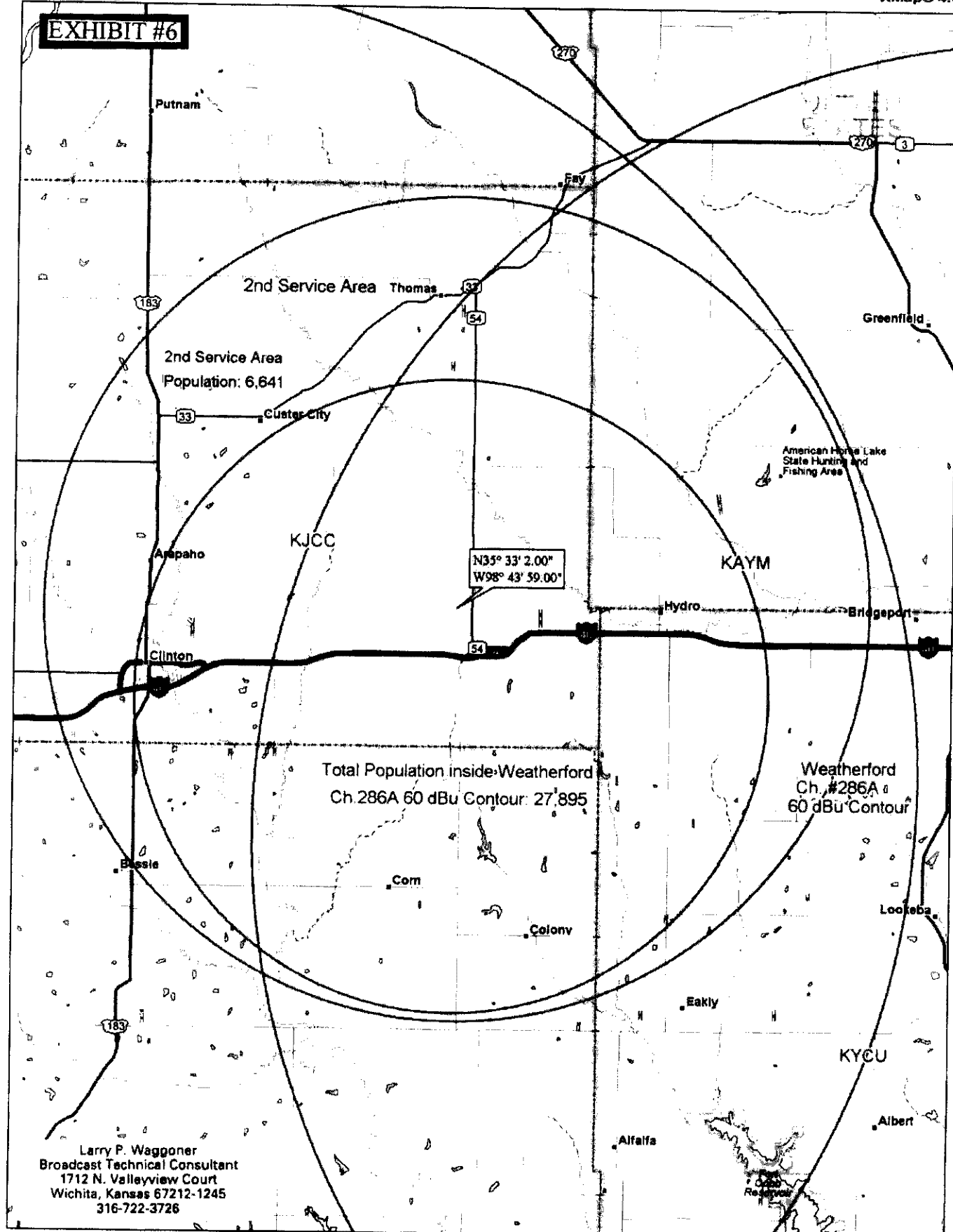
Larry Waggoner

FCC Database Date: 11/14/2003

EXHIBIT #5

#	CALL STATUS	LOCATION STATE	CHANNEL CLASS	POWER	LATITUDE LONGITUDE	DISTANCE BEARING	WEATHER
	WEATHER PRO	WEATHERFORD OK	286 Class A	6.0 kW	35-33-02 98-43-59	Source Station	
1	KYCU LIC	CLINTON OK BLED-021001AAC	206 Class C1	40.0 kW	35-26-40 98-59-22	26 km 243 dg	28 km 10 km WITHIN
2	KJCC CP	CARNEGIE OKBNPED-000214AAM	208 Class C1	100.0 kW DA	35-24-37 98-16-43	44 km 111 dg	30 km 56 km +43 km
3	KAYM LIC	WEATHERFORD OK BLED-000210ABT	213 Class A	1.0 kW	35-29-47 98-44-11	6 km 183 dg	27 km 10 km WITHIN

EXHIBIT #6



Larry P. Waggoner
Broadcast Technical Consultant
1712 N. Valleyview Court
Wichita, Kansas 67212-1245
316-722-3726

